

Abstract

An apparatus is described having a plurality of grant generation units. The plurality of grant generation units are arranged according to a round robin grant eligibility hierarchy, such that, one grant generation unit exists for each of a plurality of request agents. A grant generation unit is chosen to provide an output specifying which request agent, from the plurality of request agents is to receive a grant. The chosen grant generation unit is chosen because its corresponding request agent is the next request agent in the round robin grant eligibility hierarchy to be recognized as being eligible for a grant.